

Title (en)

Method of operating in-bath smelting reduction furnace.

Title (de)

Verfahren zum Betreiben eines Schmelzreduktionsofens.

Title (fr)

Procédé pour opérer un four pour la réduction en bain de fusion.

Publication

**EP 0418627 B1 19941214**

Application

**EP 90116879 A 19900903**

Priority

- JP 7682890 A 19900328
- JP 22755489 A 19890904
- JP 28045989 A 19891027

Abstract (en)

[origin: EP0418627A1] A method of operating an in-bath smelting reduction furnace comprises the step of forming a slag zone in an in-bath smelting reduction furnace supplied with oxygen through a top lance and with agitation gas by bottom bubbling through tuyeres below the metal bath surface and the step of controlling the carbon material supply rate, the oxygen supply rate and the ore supply rate so as to maintain the apparent density of the slag within a prescribed range.

IPC 1-7

**C21B 13/00**

IPC 8 full level

**C21B 11/02** (2006.01); **C21B 13/00** (2006.01)

IPC 8 main group level

**C21B** (2006.01)

CPC (source: EP US)

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Citation (examination)

650)(3839), 7th November 1989;& JP - A - 1195209 (NIPPON STEEL) 07.08.1989 (cat. A)

Cited by

AU696273B2; US6039787A; EP1205565A1; EP0592830A1; DE4234974A1; US5480473A; DE19518343A1; EP0743368A1; US5891214A; US6171364B1; WO9735038A1

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